

APR 25 2007
JPW**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM	Application Number	09/882,416	
	Filing Date	June 15, 2001	
	First Named Inventor	Petrus van Beek	
	Art Unit	2166	
	Examiner Name	Khanh B. Pham	
Total Number of Pages in This Submission	20	Attorney Docket Number	7146.0100

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Notice, <u>Brief</u> , Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return postcard Check for \$500
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Firm	Chernoff, Vilhauer, McClung & Stenzel 601 SW Second Ave., Suite 1600 Portland, OR 97204		
Signature			
Printed Name	Kurt A. Rohlfs		
Date	May 7, 2007	Reg. No.	54,405

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Typed or printed name	Kurt A. Rohlfs	Date	May 7, 2007

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL
for FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 500**Complete if Known**

Application Number	09/882,416
Filing Date	June 15, 2001
First Named Inventor	Petrus Van Beek
Examiner Name	Pham, Khanh B.
Art Unit	2166
Attorney Docket No.	7146.0100

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : _____☒ Deposit Account Deposit Account Number: 03-1550 Deposit Account Name: Chernoff, Vilhauer, McClung & Stenzel

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Under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Small Entity	
Fee (\$)	Fee (\$)
50	25
200	100
360	180
Multiple Dependent Claims	
Fee (\$)	Fee Paid (\$)

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

_____ -20 or HP= _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

_____ - 3 or HP= _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 = _____ (round up to a whole number) x	_____	_____

4. OTHER FEE(S)

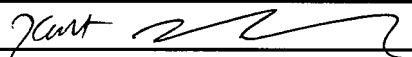
Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge) : Appeal Brief

Fees Paid (\$)

\$500

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Signature		Registration No. (Attorney/Agent)	54,405	Telephone	503-227-5631
Name (Print/Type)	Kurt Rohlf			Date	May 7, 2007

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FEE TRANSMITTAL for FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 500

Complete if Known

Application Number	09/882,416
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☒ Deposit Account Deposit Account Number: 03-1550 Deposit Account Name: Chernoff, Vilhauer, McClung & Stenzel

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	
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Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Small Entity
Fee (\$)

Each independent claim over 3 (including Reissues)

Fee (\$)

Multiple dependent claims

Fee (\$)

Total Claims

Extra Claims

Fee(\$)

Fee Paid (\$)

Multiple Dependent Claims

_____ -20 or HP= _____ x _____ = _____

Fee (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims

Extra Claims

Fee(\$)

Fee Paid (\$)

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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 = _____ (round up to a whole number) x	_____	_____

4. OTHER FEE(S)

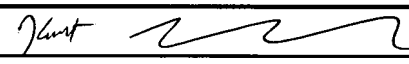
Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge) : Appeal Brief

Fees Paid (\$)

\$500

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	54,405	Telephone	503-227-5631
Name (Print/Type)	Kurt Rohlf	Date	May 7, 2007		

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**UNITED STATES PATENT AND TRADEMARK OFFICE
BOARD OF PATENT APPEALS AND INTERFERENCES**

Applicant: Van Beek, Petrus Group Art Unit: 2166
Serial No.: 09/882,416 Examiner: Pham, Khanh B.
Filed: June 15, 2001 Customer No.: 55648
Title: METADATA IN JPEG 2000 FILE FORMAT

APPELLANT'S BRIEF

Chernoff, Vilhauer, McClung, and Stenzel, L.L.P.
1600 ODS Tower
601 SW Second Avenue
Portland, Oregon 97204

May 7, 2007

Mail Stop APPEAL BRIEF-PATENTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

BACKGROUND

This brief is in furtherance of the Notice of Appeal, filed in this case on March 5, 2007.

The fees required under 37. C.F.R. § 41.20(b)(2), and any required petition for extension of time for filing this brief and fees therefore, are dealt with in the accompanying TRANSMITTAL OF APPEAL BRIEF.

This brief comprises these subjects under the headings, and in the order, set forth below:

05/11/2007 CNEGA1 00000055 09882416
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- I. Real Party in Interest
- II. Related Appeals and Interferences
- III. Status of Claims
- IV. Status of Amendments
- V. Summary of Claimed Subject Matter
- VI. Grounds for Rejection to be Reviewed on Appeal
- VII. Argument
- VIII. Conclusion
- IX. Claims Appendix
- X. Evidence Appendix
- XI. Related Proceedings Appendix

The final page of this brief bears the practitioner's signature.

REAL PARTY IN INTEREST

The real party in interest in this appeal is Sharp Laboratories of America, Inc., assignee of the captioned application.

RELATED APPEALS AND INTERFERENCES

There are no other appeals or interferences that will directly affect, be directly affected by, or have a bearing on the Board's decision in this appeal.

STATUS OF CLAIMS

A. TOTAL NUMBER OF CLAIMS IN THE APPLICATION

There are 57 claims currently pending in the application.

B. STATUS OF ALL CLAIMS

Claims canceled: 32, 43

Claims withdrawn: None

Claims pending: 1-31, 33-42, and 44-59

Claims allowed: None

Claims objected to: None

Claims rejected: 1-31, 33-42, and 44-59

C. CLAIMS ON APPEAL

Claims 1-31, 33-42, and 44-59 are on appeal.

A copy of the claims on appeal is set forth in the Claims Appendix to this Brief.

STATUS OF AMENDMENTS

No amendment was filed after final rejection.

SUMMARY OF CLAIMED SUBJECT MATTER

The claimed subject matter is generally directed to an improved, computer-readable image file format, and is reflected in five independent claims. Independent claim 1 claims a digital file stored on a computer-readable medium. *See* Fig. 1 and Specification at p. 2 line 13 to p. 3 line 3; *Id.* at p. 4 lines 5-8. The digital file includes a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image

when read by a computer. At least one of the boxes is a metadata box that includes information within the metadata box describing the content of the image. *See* Specification at p. 4 lines 11-15.

Independent claim 15 claims a digital file stored on a computer-readable medium. The digital file includes a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer. *See* Fig. 1 and Specification at p. 2 line 13 to p. 3 line 3; *Id.* at p. 4 lines 5-8. At least one of the boxes is a UUID box that includes information within the UUID box describing the content of the image. *See* Specification at p. 5 lines 13-17.

Independent claim 29 claims a digital file stored on a computer-readable medium. The digital file comprises a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer. *See* Fig. 1 and Specification at p. 2 line 13 to p. 3 line 3; *Id.* at p. 4 lines 5-8. At least one of the boxes contains information that provides interactivity with the image. *See* Specification at p. 4 lines 14-15; *Id.* at p. 5 lines 13-17.

Independent claim 41 claims a digital file stored on a computer-readable medium. The digital file comprises an MPEG-7 description scheme that includes the identification of the format of at least one of audio and visual media. *See* Specification at p. 6 lines 13-16. The description scheme also includes data for rendering the at least one of the audio and visual media when read by a computer. *See* Specification at p. 7 lines 4-6. Furthermore, the at least one of the audio and visual media are contained within said description scheme and the description scheme includes a choice of two different encoding schemes for data, namely, base16 and base64. *See* Specification at p. 9 lines 6-7.

Independent claim 47 claims a digital file stored on a computer-readable medium. The digital file comprises a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer. *See* Fig. 1 and Specification at p. 2 line 13 to p. 3 line 3; *Id.* at p. 4 lines 5-8. At least one of the boxes is a UUID box. *See* Specification at p. 5 lines 13-16. The UUID box includes information within the UUID box indicating the location of binary data, within the file and not within the UUID box, associated with the image. *See* Specification at p. 5 line 13 – p. 6 line 3; *Id.* at p. 7 lines 16-22; *Id.* at p. 13 lines 1-22; *cf. Id.* at p. 23 lines 10-14.

GROUND'S OF REJECTION TO BE REVIEWED ON APPEAL

The grounds of rejection presented for review are (1) whether claims 1-31, 33-42, and 44-59 are unpatentable under 35 U.S.C. §101 as being directed to nonstatutory subject matter; (2) whether claims 47-49, and 54 are unpatentable under 35 U.S.C. § 102(a) as being anticipated by “JPEG 2000 Image Coding System” Final Committee Draft Version 1.0, March 16, 2000 (hereinafter JPEG 2000); and (3) whether claims 41, 42, and 44-46 are unpatentable under 35 U.S.C. § 103(a) as being obvious over Pereira, “MPEG-7: a Standard for Describing Audiovisual Information,” 1999 (hereinafter Pereira) in view of “MPEG-7 Multimedia Description Scheme, Description Definition Language v3.0, N3391” (hereinafter referred to as MPEG-7).

ARGUMENT

1. Rejection of claims 1-31, 33-42, and 44-59 under 35 U.S.C. §101

The Examiner rejected claims 1-31, 33-42, and 44-59 as being directed to nonstatutory subject matter. The Examiner’s rejection is premised on the assertion that a digital file is, *per se*,

not statutory. The Examiner's rejection is contrary to both the MPEP and case authority that is directly on point. *See In re Wammerdam*, 31 USPQ2d1754, 1759 (Fed. Cir. 1994); *see also* MPEP § 2106. In *Wammerdam*, the Federal Circuit first evaluated method claims 1-4 and 6, each directed to a method for "creating a bubble hierarchy," which the court viewed as a mathematical construct. The court held that such claims were not directed to statutory subject matter because they claimed *nothing more* than the *abstract* manipulation of data, i.e. a person mentally creating the bubble hierarchy in the claimed manner, or doing so on paper, would infringe the claims. The court went on, however, to evaluate claim 5, which was directed to a computer having *a memory that stored data* arranged in the same "bubble hierarchy" that was claimed in the unpatentable claims 1-4 and 6. The court stated that claim 5 was "clearly patentable subject matter" because it was directed to a *thing* rather than an abstraction. Thus, the present claims, being each directed to a digital file "stored on a computer readable medium" claim patentable subject matter because they are directed to an object, and not *merely* an abstract arrangement of data.

The MPEP dictates the same result. *Compare* MPEP at § 2106, 2100-11("Abstract ideas or the *mere* manipulation of abstract ideas are not patentable)(emphasis added)(citations omitted) and *Id.* at § 2106, 2100-13 ("*In contrast, a computer-readable medium encoded with a data structure* defines structural and functional relationships between the data structure and the computer software and hardware components which permit the data structure's functionality to be realized, and *is thus statutory.*") (emphasis added).

The applicant specifically notes that each independent claim includes the limitation of a digital file, on a computer-readable storage medium, containing data organized so as to be capable of being visually rendered by a computer. This alone renders each claim statutory. The applicant also notes that many of these claims, e.g. claims 4-7, 18-21, 29, etc. include the

limitation of data in the claimed file that provides user-interactivity with the image rendered by the computer. Again, this limitation renders these claims statutory, as there is functionality being claimed, rather than the *mere* organization of data.

The Examiner cites inapposite portions of the MPEP, which deal with claims, *themselves directed* to literary or musical works, to support the non-statutory subject matter rejection. These portions of the MPEP only apply to claims directed to descriptive material that “*cannot* exhibit *any* functional interrelationship with the way in which computing processes are performed.” MPEP at § 2106, 2100-13 (emphasis added). The Examiner appears to argue that to be statutory, a claimed computer program or other data structure stored on as digital medium must be self-executable instantly upon insertion into a computer. See Office Action dated February 7, 2007 at p. 8. This is plainly incorrect. All that is required is that the data structure be *capable of* functional interaction with a computer, which is what is claimed.

The Examiner’s assertion that claims 1-59 are directed to nonfunctional descriptive material is therefore incorrect, contradicting the portions of the MPEP cited above. Therefore, the applicant respectfully requests that the Examiner’s rejection of claims 1-31, 33-42, and 44-59 under 35 U.S.C. § 101 be reversed. The applicant also notes that claims 1-31, 33-40, and 50-53, and 55-59 were only rejected under this section. Therefore the applicant also requests that this latter set of claims be held patentable.

2. Rejection of claims 47-49, and 54 under 35 U.S.C. § 102(a) as being anticipated by JPEG 2000.

The Examiner rejected claims 47-49 and 54 under 35 U.S.C. § 102(a) as being anticipated by IT-JPEG 2000. To support this rejection, the Examiner argues that the cited

reference discloses UUID info boxes that each index UUID boxes, and that may include links to information outside the UUID box. The Examiner's rejection is improper. To the extent that the Examiner is attempting to read the claim element "UUID Box" so broadly as to read on the UUID Info boxes disclosed in the cited reference, the Examiner's reading is improper. Case law indicates that the Examiner *must* accord each limitation *some* meaning. In other words, the term "UUID" *must be read as a limitation*, and the only means for interpreting the meaning of "UUID" is to refer to either the specification or the prior art to see whether that term has a clearly identified meaning to ones of ordinary skill in the relevant art. In this case, the specification indicates that the acronym UUID box does have a particular meaning – a Universal Unique Identifier box that is defined in the JPEG 2000 specification. Thus, when the cited prior art reference *is* the JPEG 2000 specification, which describes both UUID boxes and *associated* UUID Info boxes (that have formats different from a UUID Box) simply containing *references to* UUID boxes, then it is illogical to read the term "UUID box" on a UUID Info box.

Therefore, the Examiner's rejection of claims 47-49 is improper and the applicant respectfully requests that the rejection of these claims be reversed and the claims held patentable.

3. Rejection of claims 41, 42, and 44-46 under 35 U.S.C. § 103(a) as being obvious over Pereira in view of MPEG-7

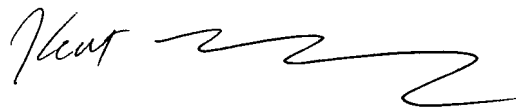
The Examiner rejected claims 41-42 and 46 under 35 U.S.C. § 102(b) as being anticipated by Pereira. Independent claim 41 includes the limitations of an "MPEG-7 description scheme" where the MPEG-7 *description scheme* also includes "data for rendering said at least one of said audio and visual media when read by a computer." The Examiner asserts that Pereira discloses this limitation because that reference discloses an MPEG-7 description scheme and

indicates that it may be “co-located” with reproduction data in MPEG-2 or MPEG-4 formats. Pereira, however, makes clear that the term “co-located” *does not* mean that the reproduction data is contained *within* the MPEG-7 description scheme; rather, Pereira merely states that the MPEG-7 data, in an MPEG-7 format, may be stored on the same hard drive, or transmitted in the same data stream, as the MPEG-2 or MPEG-4 reproduction data to which the MPEG-7 description data pertains. The fact that Pereira discloses (1) ordering identification data in an MPEG-7 format; (2) ordering reproduction data in an MPEG-2 or MPEG-4 format; and (3) co-locating MPEG-7 data with associated MPEG-2 or MPEG-4 data on the same hard drive or transmitting them together along the same wire *does not* disclose taking the reproduction data that would ordinarily be contained in an MPEG-2 or MPEG-4 format and including it within the MPEG-7 description scheme. Because the Examiner’s rejection is based on an improper reading of the disclosure of Pereira, the applicant respectfully requests that the rejection of claims 41, 42 and 46 be reversed and the claims held patentable.

CONCLUSION

The Examiner’s respective rejections of claims 20-27 and 30 should be reversed, and the claims should be found patentable.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Kurt", followed by a long, wavy horizontal line.

Kurt Rohlf
Reg. No. 54,405
Attorney for Applicant
Telephone: (503) 227-5631

CLAIMS APPENDIX

1. A digital file stored on a computer-readable medium, said digital file comprising:
 - (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer;
 - (b) at least one of said boxes being a metadata box; and
 - (c) including information within said metadata box describing the content of said image.
2. The digital file of claim 1 wherein said information is in XML format.
3. The digital file of claim 1 wherein said digital file is compliant with the JPEG2000 standard.
4. The digital file of claim 1 wherein said information provides interactivity with said image.
5. The digital file of claim 4 wherein said interactivity includes providing a bounding region of a portion of said image.
6. The digital file of claim 5 wherein said bounding region is rectangular.
7. The digital file of claim 5 wherein additional information regarding said content is associated with said bounding region of said image.
8. The digital file of claim 1 wherein said information includes links to information external to said digital file.
9. The digital file of claim 1 wherein said information includes voice annotation.
10. The digital file of claim 1 wherein said information includes object boundary information.

11. The digital file of claim 1 wherein said information includes textual information regarding the content of said image free from copyright information.

12. The digital file of claim 1 wherein said information is MPEG-7 data.

13. The digital file of claim 12 wherein said MPEG-7 data is compliant with the MPEG-7 specification.

14. The digital file of claim 12 wherein said information includes binary data.

15. A digital file stored on a computer-readable medium, said digital file comprising:

- (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer;
- (b) at least one of said boxes being a UUID box; and
- (c) including information within said UUID box describing the content of said image.

16. The digital file of claim 15 wherein said information is in XML format.

17. The digital file of claim 15 wherein said digital file is compliant with the JPEG2000 standard.

18. The digital file of claim 15 wherein said information provides interactivity with said image.

19. The digital file of claim 18 wherein said interactivity includes providing a bounding region of a portion of said image.

20. The digital file of claim 19 wherein said bounding region is rectangular.

21. The digital file of claim 19 wherein additional information regarding said content is associated with said bounding region of said image.

22. The digital file of claim 15 wherein said information includes links to information external to said digital file.

23. The digital file of claim 15 wherein said information includes voice annotation.
24. The digital file of claim 15 wherein said information includes object boundary information.
25. The digital file of claim 15 wherein said information includes textual information regarding the content of said image free from copyright information.
26. The digital file of claim 15 wherein said information is MPEG-7 data.
27. The digital file of claim 26 wherein said MPEG-7 data is compliant with the MPEG-7 specification.
28. The digital file of claim 26 wherein said information includes binary data.
29. A digital file stored on a computer-readable medium, said digital file comprising:
- (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer; and
 - (b) at least one of said boxes containing information that provides interactivity with said image.
30. The digital file of claim 29 further including information within at least one of a metadata box and a UUID box describing the content of said image wherein said information is in XML format.
31. The digital file of claim 29 wherein said digital file includes a metadata box.
- 32 (canceled).
33. The digital file of claim ~~32~~ 30 wherein said interactivity includes providing a bounding region of a portion of said image.
34. The digital file of claim 33 wherein said bounding region is rectangular.

35. The digital file of claim 33 wherein additional information regarding said content is associated with said bounding region of said image.

36. The digital file of claim 30 wherein said information includes links to information external to said digital file.

37. The digital file of claim 30 wherein said information includes voice annotation.

38. The digital file of claim 30 wherein said information includes object boundary information.

39. The digital file of claim 30 wherein said information includes textual information regarding the content of said image free from copyright information.

40. The digital file of claim 29 wherein said MPEG-7 compliant description scheme includes binary data.

41. A digital file stored on a computer-readable medium, said digital file comprising:

- (a) a MPEG-7 description scheme that includes the identification of the format of at least one of audio and visual media;
- (b) said description scheme including data for rendering said at least one of said audio and visual media when read by a computer; and
- (c) said at least one of said audio and visual media being contained within said description scheme wherein said description scheme includes a choice of two different encoding schemes for data, namely, base16 and base64.

42. The digital file of claim 41 wherein said description scheme is InlineMedia.

43 (canceled).

44. The digital file of claim 41 wherein said base16 is part of an element name MediaData16.

45. The digital file of claim 41 wherein said base64 is part of an element name MediaData64.

46. The digital file of claim 41 wherein said data is binary.
47. A digital file stored on a computer-readable medium, said digital file comprising:
 - (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer;
 - (b) at least one of said boxes being a UUID box; and
 - (c) including information within said UUID box indicating the location of binary data, within said file and not within said UUID box, associated with said image.
48. The digital file of claim 47 wherein said information is in XML format.
49. The digital file of claim 47 wherein said digital file is compliant with the JPEG2000 standard.
50. The digital file of claim 47 wherein said information provides interactivity with said image.
51. The digital file of claim 50 wherein said interactivity includes providing a bounding region of a portion of said image.
52. The digital file of claim 51 wherein said bounding region is rectangular.
53. The digital file of claim 51 wherein additional information regarding said image is associated with said bounding region of said image.
54. The digital file of claim 47 wherein said information includes links to information external to said digital file.
55. The digital file of claim 47 wherein said binary data includes voice annotation.
56. The digital file of claim 47 wherein said binary data includes object boundary information.

57. The digital file of claim 47 wherein said information includes textual information regarding the content of said image free from copyright information.

58. The digital file of claim 47 wherein said information is MPEG-7 data.

59. The digital file of claim 58 wherein said MPEG-7 data is compliant with the MPEG-7 specification.

EVIDENCE APPENDIX:

None.

RELATED PROCEEDINGS APPENDIX:

None.